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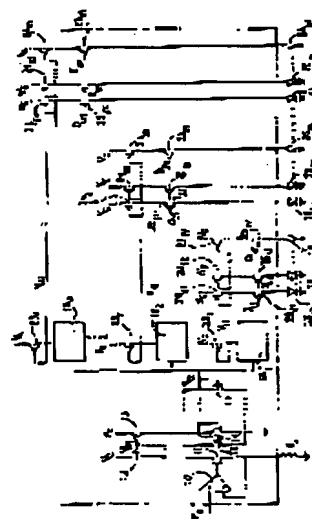
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## (54) LED PRINTING HEAD DRIVING CIRCUIT

(57)Abstract:

PURPOSE: To eliminate the non-uniformity of light output in space frequency capable of being sensed by a human's eye by enabling the substantially uniform exposure of a plurality of groups consisting of light emitting elements in response to a data signal and supplying the data signal to the respective light emitting elements.

CONSTITUTION: A programmable reference current cell generates secondary reference voltage  $V_r$  in the drain of a secondary reference FET 23. A programmable current cell generates voltage  $V_{rk}$  from reference voltage  $V_{r1}$  different corresponding to related data words  $C1-Cn$ . The secondary reference voltage is respectively connected to groups of LED driver FETs 24. An output driver 24 is series from a p-channel data FET 2511 to 25ur. A data FET is a switch gated by a data signal  $D_{uv}$  from a data signal  $D11$ . On the basis of the presence of the data signal, it is determined whether LED 2611-26uv light.



## LEGAL STATUS

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